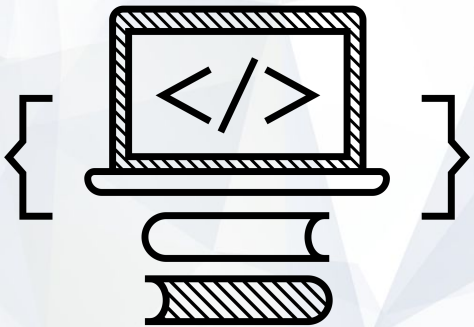
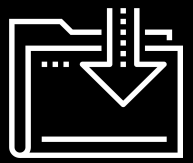


Syllabus

Coding Boot Camp



Coding Boot Camp Syllabus

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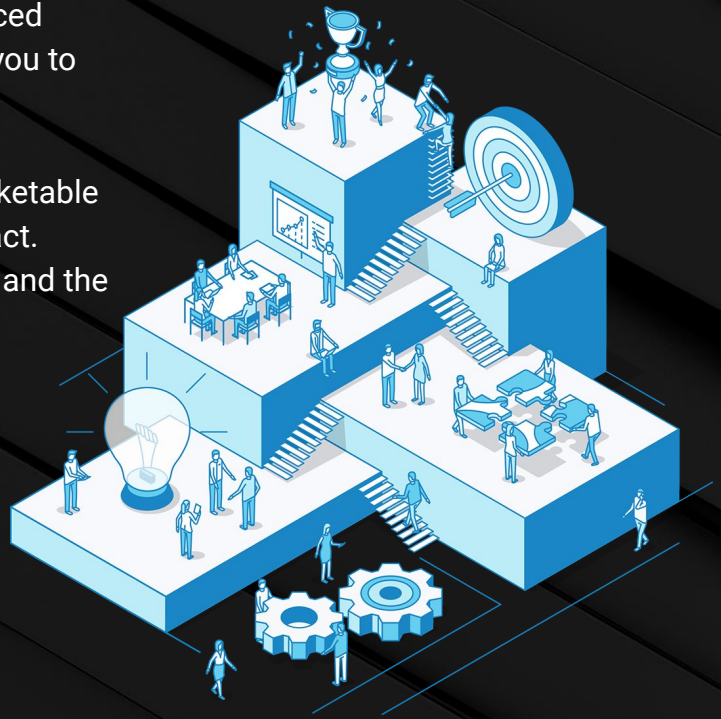
Section 1: Course Overview

Welcome to the Coding boot camp! This is a rigorous and fast-paced course that teaches the practical, technical skills that will enable you to build robust web applications.

Throughout the course, you will gain proficiency in numerous marketable technologies, including JavaScript, Node, SQL, MongoDB, and React. Additionally, you'll finish with an impressive professional portfolio and the confidence to succeed in a high-growth profession.



Course Outcomes

By the time you graduate, you will be able to:

- Build front-end websites from scratch, as well as using ready-made frameworks that enable you to build efficiently.
- Create full-stack single-page web applications using RESTful API routes and AJAX methods, and describe how front-end applications communicate with back-end applications and databases.
- Implement structured and unstructured databases to convert static websites into dynamic websites that persist data.
- Build communication skills and demonstrate the foundational computer-science knowledge that is required during technical interviews.
- Apply the accepted and standard basics of social coding—including source control, issue tracking, and functional feedback—as part of a development community, while building an application.
- Demonstrate strong teamwork and project management skills as a collaborator and independent contributor during the development cycle of complex projects.

Curriculum

The Coding boot camp is divided into three equal phases—Foundation, Technical, and Performance—which are organized into weekly modules. Each section culminates with a group project that spans two weeks.

Unit	**Section 1: Foundation** (Modules 1–6)	**Project 1** (Modules 7–8)	**Section 2: Technical** (Modules 9–14)	**Project 2** (Modules 15–16)	**Section 3: Performance** (Modules 17–22)	**Project 3: Final Project** (Modules 23–24)
Description	Build a solid foundation in fundamental concepts of web development: HTML, CSS, and JavaScript.	Apply your newly acquired skills to build a client-side application using third-party APIs.	Learn the necessary skills to engineer a full-stack web application: servers, databases, and APIs.	Bring together new technologies and concepts learned in section 2 to develop a full-stack web application.	Learn cutting-edge tools to optimize applications for speed and efficiency and begin your transition into a new career as a web developer.	Create a dynamic single-page application using the MERN stack.
What You'll Learn	• HTML/CSS/Git • JavaScript • Bootstrap • The DOM • APIs • JQuery • JSON • AJAX	• Team collaboration • Agile development • Project demonstration and storytelling	• Node • ES6 • Object-oriented programming • Express • MySQL • MVC paradigm • Sequelize • Testing • Agile development	• Team collaboration • Agile development • Project demonstration and storytelling	• Progressive Web Apps • React • NoSQL • MERN Stack • Computer science fundamentals	• Dreaming up something fantastic • Understanding the bounds of reasonable and achievable

Section 2: Course Structure

Learning Experience

Each week of your course is structured around a specific topic and set of skills. The course is designed to help you master those skills. Each week you will do the following:

Review Online Materials	Attend Live Online Classes & Office Hours	Submit Weekly Challenges
Start each week by reviewing the online materials on Bootcamp Spot. These materials introduce you to what you'll learn during the week, provide you with additional support resources, and explain the weekly Challenge requirements.	You will have instructor-led virtual classes every week via Zoom. Your instructor will engage you with industry relevant lectures and hands on activities during these classes. Arrive ready to participate. In addition, you'll have opportunities to attend Office Hours led by your instructor and/or TA.	Cap off the week by demonstrating the skills you learned by submitting the Challenge assignment. Challenges are graded assignments on which you will get feedback.

Live Online Classes

During the live online classes, your instructional team will lead demonstrations, as well as guide you through independent activities and interactive group work in breakout rooms. You will work through a variety of activities, participate in industry relevant discussions while learning from experts in the field.

It's important to review the online material in Bootcamp Spot to complement your classroom experience. Office Hours are the ideal time to receive supplemental learning opportunities and individualized support from the instructor and TAs.

What do I need to know about live online classes?

- Classes are 3-hour long classes on Zoom.
- Open Office Hours are held before every class.
- You can miss no more than 4 classes.*
- Class recordings are available in Bootcamp Spot.

How do I prepare for class?
Check out your Getting Ready for Class page in Bootcamp Spot for downloadable class activity files to use during class.

** Please contact your Student Success Manager should you have any questions regarding the attendance requirements.*

Learning Technology

The live online boot camp learning experience is centered on the following three technologies:

Bootcamp Spot	Our learning environment Bootcamp Spot is built on the leading cloud-based Canvas Learning Management System. This is your main hub for course objectives, resources, and assignments.
Slack	Slack, the popular business collaboration tool, is our core learning community space. On Slack, you will communicate with peers and instructional staff to celebrate victories and troubleshoot challenges. You can access Slack through your web browser or install the app on your computer and/or mobile device.
Zoom	Zoom is where we hold the live online classes. This video conferencing software allows us to connect in real-time with video, audio, screen sharing, and chat. You will access Zoom directly through the course. Be sure to have your headset with mic and webcam ready. We also highly recommend using a second monitor during these sessions so that you can practice coding as you interact with your classmates.

Minimum Technology Requirements

To successfully use the tools and technologies required in this course, you need the right equipment.

Here's what you need to get started:	Here's what you'll need before your first virtual session:
Laptop with Mac or Windows operating system (Note that you cannot use Linux in this course.)	Webcam
8 GB RAM and 64-bit dual processor	Headphones with a microphone
High-speed internet connection (We recommend a download speed of at least 25 Mbps and an upload speed of at least 5 Mbps.)	An external monitor that is compatible with your laptop (highly recommended for Zoom sessions)

Course Feedback

We believe in continually improving our program, whether it's building in more targeted practice to support your learning, adding new content to address the evolving needs of a dynamic industry, or providing your instructor with innovative ideas to tailor the experience for your class. For this reason, we ask for your feedback at the end of each module, at the course midpoint, and at the end of the program. We appreciate your honest responses.

Section 3: Course Assessments and Requirements

Grading Policy

For each assignment, you will receive a numerical and letter grade as shown in the following table. You will receive an Incomplete for assignments that do not meet the baseline requirements. All assignments that do not receive Incompletes count toward graduation requirements. See your enrollment agreement for the minimum grade requirements.

A+	100	**B+**	88–91	**C+**	78–81	**D+**	70–71	**F**	< 61
A	95–99	**B**	85–87	**C**	75–78	**D**	65–69		
A–	92–94	**B–**	82–84	**C–**	72–74	**D–**	62–64		

Assessment Criteria

You will receive an overall grade for the course based on the following. Note that your two lowest Challenge assignment grades (or skipped assignments) will be dropped.

Assessment	Description	Number	% of Final Grade
Projects	Each of the three sections culminates in a group project where teams apply key technologies learned in that section to build dynamic applications.	3	60%
Challenge Assignments	Weekly individual assignments where key skills learned in a module are applied. You will receive rubric-based feedback, and the lowest two grades will be discarded.	18	40%

Graduation Requirements

Graduates of the program will receive a certificate of completion from the university. In order to graduate from this course and receive your certificate, you must fulfill the following requirements:

01 Miss no more than 4 virtual classes (via Zoom). *Please contact your Student Success Manager should you have any questions regarding the attendance requirements.*

02 Complete all 3 group projects.

03 Miss no more than 2 required Challenge assignments.

Section 4: Support

Your Support Community

We believe that a robust support team is essential to helping you achieve success in the program. Here are the core members of your support team:

Instructor	Your instructor is the lead facilitator for your learning experience. Your instructor will manage all virtual classes and Office Hours, guide the TA team, and monitor your progress.
Teaching Assistants (TAs)	TAs provide support and guidance. TAs attend virtual classes, helping to troubleshoot issues and lead small breakout groups. TAs also provide additional Office Hour sessions on Zoom.
Student Success Manager (SSM)	Your SSM oversees your experience and assists you with any non-curriculum needs, including questions about course structure, delivery, and policies. If you don't know where to go, who to ask, or what to do, ask your SSM!
Learning Assistants	The Learning Assistant team is available to answer quick coding and concept questions via Slack outside of class hours. Simply use the #AskBCS tool in Slack to connect.
Tutor Network	If you need additional help to get back on track, your SSM can arrange 1:1 tutoring support.
Your Peers	You'll chat with other students, ask for help, and assist others in class and Slack. You'll also connect in group projects and study groups.
Career Services	Your Career Coach and Career Materials Advisors will support you in becoming employer competitive. Career services is an optional service available throughout the program.

Section 5: Expectations and Policies

Time Expectations

You should expect to spend about 20–30 hours a week working on your course; though, the actual amount of time you spend will depend on a number of factors, including your pace, difficulty of the week, and attendance at optional sessions. In general, Challenge should take 5–15 hours. It's a good idea to track yourself early in the course to identify how long you spend on each section and adjust expectations accordingly.

Late Assignment Policy

All weekly Challenge assignments are due at the end of the last class of the following week. It's important that you follow these dates to stay on target and receive timely feedback. The program moves fast, so you will find it very difficult to catch up if you fall behind. You may skip two Challenge assignments if you wish. In those cases, simply "submit" the assignment as a statement that you are skipping it. You must submit all work by the last day of the course.

Prerequisites

There are no prerequisites for the course. However, you must have fundamental computer skills and be comfortable using the internet. This course covers the skills common used by developers and demanded by the industry. You are not required to have any coding experience, but you should be ready to learn how coding languages work.

Communication Guidelines

At times, a boot camp can be stressful as you fight to crack the code of emerging skills. Therefore, it's important to be mindful of the needs of your peers and support teams and be courteous in how you communicate. This is especially true in online communication spaces such as email or Slack, where it's easy to misinterpret comments. Consider the following communication guidelines:

- Use encouraging, supportive tones when interacting with peers.
- Try to help peers who are stuck on a topic.
- Take opportunities to thank your support team for their help.
- Avoid yelling, sarcasm, and abusive language directed at peers or support team members.
- Be clear and specific in all of your help requests. Include screenshots and locations for content trouble spots so that your TAs and peers can assist efficiently.

Expectations and Policies

Code of Conduct / Academic Honesty	You are expected to work independently on all of your assignments and quizzes and submit your own work. Any violations of the university's academic honesty policy may result in your removal from the program. Please consult with your program success manager if you have any questions about the university's policy.
Drop Policy	In the event you are not able to take the course, you can drop within the timeframe outlined in your enrollment agreement and receive a refund of your balance paid. After the first full week, you are required to fulfill your tuition payments regardless of your status in the course. If you wish to drop, you must contact your SSM.
Tutoring Policy	We offer tutoring for students who need additional support through one-on-one, 50-minute remote online sessions. While this service is included with tuition, you must be in good standing with class attendance, payment, and assignment submissions to qualify for tutoring. Students are granted one session per week during the course. You cannot accrue additional sessions, nor can they be held after the graduation date. Failure to show up for a scheduled tutoring session will result in ineligibility for future tutoring. Cancellations for a tutoring session must be made at least six hours prior to the session.
Career Services Policy	Career services strives to help you become employer-competitive. They offer support via a Career Materials Advisor, Career Coach, in-person demo days, and online workshops and events. You will have access to 1:1 career coaching with your Career Coach from the first day of class until 90 days after graduation. The Career Materials Advisor will respond within 96 business hours and your Career Coach will respond within 24 business hours.

Accessibility and Privacy Policies

Our program is designed to make learning accessible to all students. We optimize content for screen readers and use captioning on videos, and our technology and course design meets WCAG 2.0 standards. If you require additional assistance, please reach out to your PSM.

The following links display the accessibility policies for technology used in the course:

- Canvas
- Slack
- Zoom
- Learnosity

The following links display privacy policies for technology used in the course:

- Canvas
- Slack
- Zoom
- Learnosity